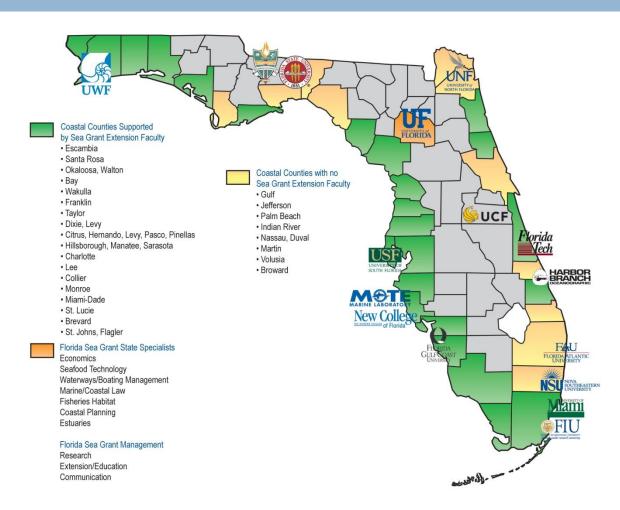
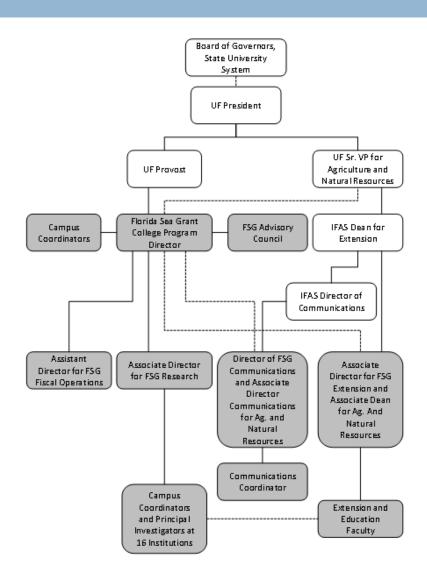
# FLORIDA SEA GRANT PROGRAM 2010 NSGO REVIEW

## Florida Sea Grant Program



- Management Team
  - Director, Karl Havens, (1.0 FTE)
  - Associate Director for Extension, Mike Spranger (0.5 FTE)
  - Associate Director for Research, Charles Sidman (1.0 FTE)
  - Interim Director for Communications, Dorothy Zimmerman (1.0 FTE)
  - Assistant Director for Fiscal Operations, Ed Harvey (1.0 FTE)

# Program Organizational Chart



## FLSG Extension

- Partnership between Florida Sea Grant, the Florida Cooperative Extension Service and Florida's coastal counties.
- $\sim$  45% of FLSG annual budget and consists of:

**Extension Program** 

- 3 full-time specialists (Ph.D.) in Marine Fishery Economics, Seafood Technologies, and Marine Spatial Planning (Boating and Waterway Management Program),
- 3 part-time specialists (Ph.D. or Law Degree) in Fisheries Habitat, Coastal / Marine Spatial Planning, and Marine/Coastal Law,
- 2 professional management staff,
- 17 county-based marine extension agents
- Each marine agent has an advisory committee that meets twice each year to ensure relevance and coordination of programmatic activities.
  - County extension director helps to develop activities and identify key local advisors.

## **Advisory Board Members**

- Robert Aylesworth, President, Aylesworth Fish and Bait
- James Cantonis, President, <u>Acme Sponge & Chamois Co., Inc.</u>
- Billy Causey, Southeast Regional Director for the NOAA National Marine Sanctuary Program
- Ted Forsgren, Executive Director, <u>Coastal Conservation Association</u>, <u>Florida</u>
- Judy Gray, Deputy Director, NOAA <u>Atlantic Oceanographic and Meteorological Laboratory</u>
- Bill Herzig, Senior Vice President of Purchasing for <u>Darden Restaurants</u>
- Elliot Kampert, Director of Growth Management, Okaloosa County
- Chuck Listowski, Executive Director, West Coast Inland Navigation District
- Gary Lytton, Director, Rookery Bay National Estuarine Research Reserve
- □ Gil McRae, Director, <u>FWC Fish and Wildlife Research Institute</u>
- Ben Nelson, State Meteorologist, Florida Division of Emergency Management
- Michael Poff, Vice President, <u>Coastal Engineering Consultants Inc.</u>
- Jerry Sansom, Executive Director, Organized Fishermen of Florida
- Dan Solano, Owner, <u>Cedar Key Aquaculture Farms Inc.</u>
- John Sprague, Director of Government Affairs, Marine Industries Association of Florida

- FLSG is a Type II Center (multi-university/statewide function) in the State University System (SUS) hosted at the University of Florida.
- Sixteen Florida Universities and research institutes are affiliated with FLSG via a network of campus coordinators.
- FLSG's marine extension program is fully integrated within the State of Florida's Cooperative Extension Service, which also is hosted at the University of Florida.
- FLSG Director reports to the Provost of the University of Florida and to the Senior Vice President for Agriculture and Natural Resources.
  - Annual program financial report
  - Five-year program accomplishments report

# State Sea Grant Program Plan – Estimated 4-yr Budget Allocation by Focus Area

		Estimated Level of Effort of	Estimated Level	
	Focus Area from	Federal, Match	of Effort of	<b>Estimated Level</b>
National Focus	Program	and Leveraged	Federal and	of Effort of
Area	Strategic Plan	(%)	Match (\$)	Leveraged (\$)
Safe & Sustainable Seafood Supply	Seafood Production and Safety	25%	\$3,061,500	\$2,148,139
Sustainable Coastal Development	Sustainable and Hazard-Resilient Coastal Communities	20%	\$2,449,200	\$1,718,514
Healthy Coastal Ecosystems	Healthy Coastal and Marine Ecosystems	40%	\$4,898,400	\$3,437,031
Hazard Resiliency in Coastal Communities				
[Cross-cutting]	Climate Change: Impacts and Adaptations	15%	\$1,836,900	\$1,288,884
Total		100%	\$12,246,000	\$8,592,568

Number of decision-makers who become better informed about the value of coastal natural resources and how their decisions affect those resources.

Performance Measure/Outcome Highlights

- □ FLSG agents teach "Coastal Master Naturalist Program" to coastal community leaders.
- □ FLSG agent implements new "Ecological Immersion Program" for local decision-makers.
- Number of new data sources, decision-support methods, standards, products, policies or BMP's developed and/or implemented to increase the resilience and sustainability of coastal populations and infrastructure.
  - Boating Safety Decision Support System for the FWC Division of Law Enforcement
  - Cities of Bradenton, Panacea, and Carabell implement policies to retain waterway access and working waterfronts.
- Number of seafood retail operations adopting information from seafood safety educational materials developed by Florida Sea Grant.
  - New school to train industry and regulators on new/revised HACCP standards
  - Apalachicola oyster processors utilize new technologies/information to reduce Vibrio
- Number of local and regional decision makers who develop an increased understanding of expected climate impacts and potential adaptation strategies through information-sharing sessions facilitated by Florida Sea Grant.
  - □ City of Punta Gorda implements new planning policies to adapt to sea level rise

## Major Partners

- Florida's Public University System
- State of Florida's Cooperative Extension Service
- Florida's Coastal County Governments
- US Department of Agriculture
- Florida Fish and Wildlife Conservation Commission
- □ Florida Department of Environmental Protection, Coastal Management Program
- NOAA National Estuarine Research Reserves
- NOAA Atlantic Oceanographic Meteorological Laboratory
- West Coast Inland Navigation District
- Waterfronts Florida Partnership
- Clean Marina Partnership
- Marine Industries of Florida
- Southeastern Fisheries Association
- Guy Harvey Ocean Foundation

## Sea Grant

- Sustainable Coastal Development Focus Team Mike Spranger
- Secretary of the Sea Grant Association Karl Havens
- Knauss Fellowship Review Panel Karl Havens

## Regional

- Member, Gulf of Mexico Climate Resiliency Engagement Panel, Karl Havens
- Co-Lead, Gulf of Mexico and South Atlantic Regional Research Plans, Karl Havens
- Member of Board of Directors for Gulf of Mexico Coastal Ocean Observing System Regional Association (GCOOS)

   – Mike Spranger
- Member of Southeast Atlantic Coastal Ocean Observing System Regional Association (SECOORA) – Mike Spranger

### Florida

- Florida Ocean and Coastal Council Karl Havens
- Florida Ocean Alliance Karl Havens
- Board of Directors for Florida Institute of Oceanography Karl Havens

## 2010 RFP Process

- Survey of Florida residents and stakeholders to identify and prioritize issues
- Workshop of stakeholders, extension faculty, agency and industry representatives, and top researchers refined strategic planning priorities for program focus areas
- 19 research priorities under the four FLSG focus areas FOR 2010:
  - Healthy Coastal Ecosystems
  - Sustainable and Hazard Resilient Coastal Communities
  - Seafood Production and Safety
  - Climate Change: Impacts and Adaptations

## Research review process:

- Initial review of statements of interest and full proposals by in-state and out-ofstate subject matter experts (academic, industry and state agency affiliations).
- Final review of statements of interest and full proposals by a panel of 10 out-of-state subject matter experts (discussed, ranked and selected projects for funding).
  - Extension / outreach plan reviewed by the panel and FLSG Extension Director.

# 2008/2009 Program Metrics – Awards and Honors

- Extension Program of the Year Jim App Award for the "Sustainable Fisheries
   Outreach Program" from the University of Florida Extension Administration.
- Numerous individual awards received by agents and extension specialists (examples below).
  - Doug Gregory National Marine Fisheries Service, NOAA, DOC Sustainable Fisheries Leadership Award.
  - Dr. Robert Swett Florida Association of Natural Resource Extension Professionals. Outstanding Educational Materials Award for a web site. "Manatee Awareness and Protection Resource." <a href="https://www.flmapr.org">www.flmapr.org</a>
  - Bryan Fluech Florida Natural Resource Leadership Institute, 2008 Burl Long Outstanding Leadership Award.

# 2008/2009 Highlights of Metrics

- Develop decision support systems for waterway management and planning.
- Bring new aquaculture products to the marketplace.
- Develop web-based policy tools for sustainable coastal development
  - □ (e.g., working waterfronts, marine businesses, waterway access).
- Provide outreach to support sustainable angling practices.
- Train seafood industry on safe handling and processing techniques.
- Support ecosystem-based fisheries management research.
- Develop climate change "Community of Practice" for Gulf of Mexico region.

#### Sustainable and Hazard Resilient Communities

■ Marine Spatial Planning activities result in a GIS-based Regional Waterway Management System that supported a new State Rule streamlining waterway maintenance permitting, saving southwest Florida taxpayers an estimated \$2.5 million.

## Safe Sustainable Seafood Supply

New Florida Sea Grant shellfish school becomes the nation's leading product safety training program for shrimp processors, distributers and regulators.

## Healthy Coastal and Marine Ecosystems

An award-winning statewide sustainable angling program responds to 2008 State fishing regulations affecting 3.3 million fishers; creates a new venting tool that creates 6 new businesses.

## Climate Change: Impacts and Adaptations

- Legal extension supported by FLSG helped the city of Punta Gorda develop and adopt a climate change adaptation plan, resulting in the city being selected by the EPA's Climate Ready Estuary Program to be a climate ready pilot community.
- Comprehensive legal analysis of the Florida Coastal Construction Control Line Program enables the Florida Department of Environmental Protection to reform current permitting and shoreline development policy to more effectively adapt to sea level rise

 Florida Sea Grant researchers use DNA fingerprinting to aid in shark conservation efforts.

2008/2009 Research Accomplishments

- Many shark populations throughout the world face sharp declines driven by the popularity of shark fin soup which has created a lucrative but unsustainable market for fins. Using research funds from FSG, scientists developed a DNA 'fingerprinting' method that agencies can use to identify the source of shark finds, so that the USA can take the lead in reducing illegal shark fishing and managing global shark populations. This work is now on display in the Smithsonian Institute's Sant Ocean Hall.
- Florida Sea Grant research sustains the Florida clam aquaculture industry.
  - profitability of the Florida hard clam industry, which supports 560 jobs, \$1.3 million in business taxes, and \$25 million in income annually. Florida Sea Grant sponsored research developed methods for growing a native clam, the Sunray Venus Clam, which soon may be produced and sold commercially by the aquaculture industry in Florida.

- Engage Regionally
  - Collaborate with NOAA programs in strategic planning processes;
  - Actively engaged in Gulf of Mexico and Southeast Atlantic regional research and outreach programming.
    - coordinating regional research initiatives. (e.g., climate change "Community of Practice").
- Conduct Transparent and Accountable RPF and Proposal Selection Process

**Best Management Practices** 

- Research priorities developed with input from NOAA partners who serve on our advisory council.
- All researchers were required to engage end-users in developing relevant proposals.
- All research projects were required to have outreach plans.
- NOAA and other State and Federal experts participated in reviewing pre-proposals.
- All funded projects involve partnerships with industry or agencies.
- Facilitate Marine Extension and Research Coordination and Accountability
  - Annual meeting of FLSG agents to develop work plans and facilitate collaborations.
  - Annual Plan of Work and Report of Accomplishments summarize extension and research activities and achievements consistent with FLSG strategic planning goals and objectives.
  - Quarterly e-newsletter, a share point site, and Work Action Groups facilitate information exchange between specialists, agents and program stakeholders.
  - FLSG coordinates the National Sea Grant Extension Academy.